



# colour card

**CCS Pigment  
Concentrates for  
full depth colouring  
of concrete**

Current from 2004

**brilliant colours  
outstanding results**

# A guide to some of the finishes that can be used to add character to coloured concrete

## BROOM AND COVING TROWEL FINISHES



BROOM FINISH

TROWEL FINISH

The use of a broom or coving trowel to finish the concrete creates a textured, slip resistant surface.

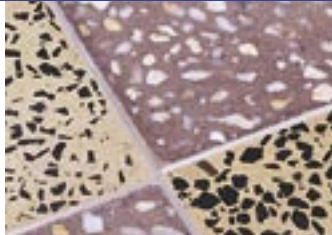
## EXPOSED AGGREGATE



Special CCS surface retarders are applied to the surface of the wet concrete and then subsequently removed using water pressure to expose the coloured aggregate contained in the mix.

## POLISHED OR HONED CONCRETE

Diamond grinding machines are used to remove the very top layer of the concrete through honing to create a smooth coloured surface complemented by the aggregate used in the mix.



## SAND BLAST FINISHES

With this method the very top few millimetres of the coloured concrete is removed to create a coloured sand type finish.



## ROCK SALT



A pitted or aged appearance is created by using the various CCS textured rollers or by adding 5mm lumps of rock salt to the wet surface. These lumps are subsequently dissolved with water to create a pitted surface.

## OFF FORM PRECAST CONCRETE



Patterns and textures are embedded into the concrete at the precast concrete plant or on site using specially designed forms.

## SAW CUTS OR GROOVED FINISH



The coloured concrete is given further definition by creating geometric patterns using grooved joint lines or by saw cutting the surface at a later date.

## COLOUR CHANGES RESULTING FROM HONING OR EXPOSING COLOURED CONCRETE

Please note that when choosing colours for honed or exposed aggregate concrete, the background pigment colour will be less dominant than in its presentation in this colour card. Under such circumstances the aggregates and sands have a major influence on the final appearance. The accompanying photo displays the same coloured slab, however the section on the right of the photo has been finished with a trowel and the other has been treated with water pressure to create the exposed finish.



## CREATING COLOURED CONCRETE USING THE CCS PREPACK SYSTEM



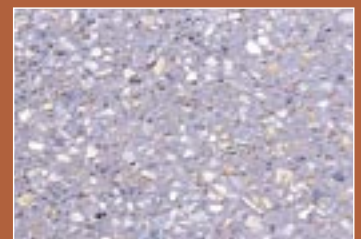
1 PREFORMULATED BAGS OF CCS PIGMENT CONCENTRATES ARE ADDED TO THE CONCRETE TRUCK AT THE PREDESIGNATED RATE OF ONE BAG PER CUBIC METRE



2 AFTER SUFFICIENT MIXING, COLOURED CONCRETE IS DISCHARGED FROM CONCRETE TRUCK



3 COLOURED CONCRETE IS SCREEDED AND FLOATED



4 A CLOSE UP OF THE FINAL RESULT AFTER THE SURFACE HAS BEEN TREATED WITH WATER PRESSURE TO EXPOSE THE AGGREGATES AND COLOUR WITHIN THE CONCRETE MIX.

# Rich pigment blends for full

COLOURS FOR GREY CONCRETE • COLOURS FOR GREY CONCRETE



CCS PEWTER



CCS CORN



CCS CARAMEL



CCS STONE BEIGE



CCS LEMON CREAM



CCS SAFFRON



CCS GHOST GUM



CCS DESERT BUFF



CCS POTTERY



CCS ONYX



CCS MOROCCO



CCS TOBACCO



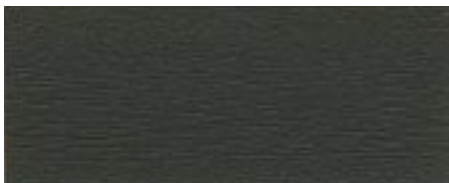
CCS BLUESTONE



CCS HONEYCOMB



CCS MULBERRY



CCS BLACK



CCS BISCUIT



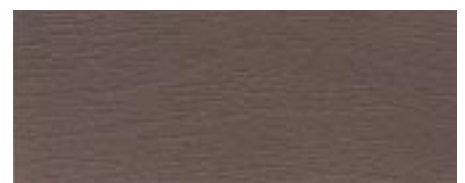
CCS CRANBERRY



CCS PANTHER



CCS YORKSTONE



CCS GRAPE

## HOW TO DUPLICATE THE CCS COLOURS DISPLAYED IN THIS CHART IN CONCRETE

Trowel finished concrete in the above colours can be produced by adding one pre-formulated bag of CCS Pigment Concentrate for each cubic metre of 20/25 MPa strength concrete. Higher strength concrete will require the larger CCS bags. Due to regional differences in cement and aggregates, as well as slump and finishing techniques, (such as exposed aggregate and honed) variations to the above colours can occur. **Where an exact colour is essential, representative job samples using the intended raw materials and finishing techniques should be completed and then inspected after sample has cured for 14-30 days.**

# depth colouring of ready mix

COLOURS FOR GREY CONCRETE • COLOURS FOR GREY CONCRETE • COLOURS FOR GREY CONCRETE

COLOURS FOR GREY CONCRETE • COLOURS FOR GREY CONCRETE • COLOURS FOR GREY CONCRETE



CCS RAFFIA BEIGE



CCS DRIFTWOOD



CCS MEXICO



CCS LIMESTONE



CCS SUNTAN



CCS SUNBURNT



CCS GOLDEN BRONZE



CCS GECKO



CCS BRICK RED



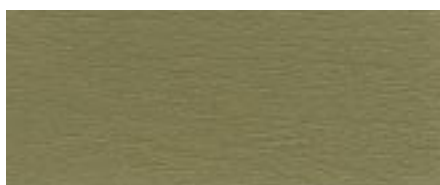
CCS LYCHEE



CCS SANDPLAIN



CCS CARDINAL



CCS BONSAI



CCS COCO



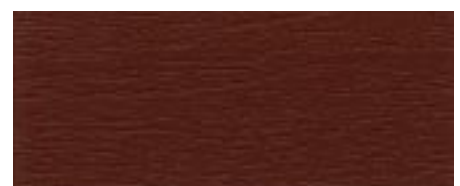
CCS HERITAGE RED



CCS CACTUS



CCS BREADCRUMB



CCS CABERNET



CCS EUCALYPTUS



CCS CHOCOLATE



CCS JARRAH

## Suggested Specification

Concrete is to be integrally coloured with Concrete Colour Systems \_\_\_\_\_ Pigment Concentrate (ph. 1800 077 744 or closest city ph.).

One pre-formulated bag is to be added for each cubic metre of \_\_\_\_\_ MPa, using \_\_\_\_\_ cement. All surfaces should be finished

uniformly – do not over-trowel. Do not cure with plastic sheeting, membrane paper or intermittent wetting and drying.

# and precast concrete



## COLOURS FOR GREY CONCRETE • COLOURS FOR GREY CONCRETE

COLOURS FOR GREY CONCRETE



CCS MOSS GREEN



CCS ALPINE



CCS EARTH BROWN



CCS KAKADU



CCS PAPERBARK



CCS PEARL SHELL



CCS LAGUNA



CCS LIZARD SKIN



CCS LAVENDER

## COLOURS FOR OFF-WHITE CONCRETE



CCS KINGFISHER



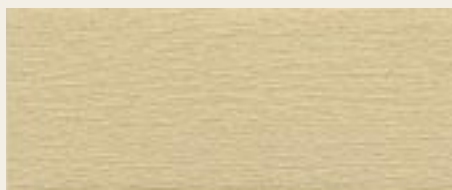
CCS PANCAKE



CCS MARS



CCS NEPTUNE



CCS PARCHMENT



CCS BUTTERSCOTCH



CCS SHARKSKIN



CCS SNOW



CCS LIGHT PEACH

Please note that your concrete supplier may not be able to provide the above colours unless they have 'off-white' cement available at the nominated plant.



**brilliant** colours  
**outstanding** results

## Rich Colours Made to Endure

Only pure, high tinting strength and long lasting pigments are used to create the CCS Pigment Concentrates.

The CCS pigments consist of blends of synthetic iron oxides, titanium dioxides, chrome oxides and cobalt aluminium with maximum resistance to UV light and the aggressive alkaline conditions in concrete. They are manufactured in accordance with our Quality System certified to ISO 9001 and conform to the relevant world standards for pigment for concrete.



### You can rely on a company committed to excellence

Since starting business in 1974 as River Sands Pty Ltd, we have expanded to a 100+ person company servicing all parts of Australia and the Asia Pacific region.

We are constantly searching for and then developing new products to ensure our customers have the greatest opportunity to create and design excellent performing projects. In recognition of the success of our efforts we have received awards at both State and National level for excellence in manufacturing and innovation.



### Multiple systems for colouring concrete from the one source

To meet all of your decorative concrete needs we provide five other systems for colouring both new and existing concrete surfaces.

This comprehensive product range from the one source enables you to utilise complementary colouring systems to meet all of your on-site requirements. It also means you can save time by only having to consult with the one company to solve all of your coloured concrete needs.



### Protect your coloured concrete with a CCS Sealer

For the optimum result it is best to coat your decorative concrete surface with one of the CCS Sealers. Choose from a gloss or matt "wet look" finish using one of the CCS Acrylic Sealers or an unchanged surface appearance with the penetrating CCS Naturalseal.

In addition to enhancing the colour, the use of a sealer reduces the damage created from the ongoing ingress of dirt, grease and grime while inhibiting the incidence of unsightly efflorescence.

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**SYDNEY** • Telephone 02-9756 1711 • Warehouse Ph 02-9677 1056  
**MELBOURNE** • Telephone 03-9357 7613 • Warehouse Ph 03-9308 5794  
**PERTH** • Telephone 0423 023164 • Facsimile 08-9594 0709  
**GOLD COAST** • Telephone 07-5539 5346  
**EMAIL** • [ccscolour@riversands.com.au](mailto:ccscolour@riversands.com.au)  
Toll Free Australia Telephone 1800 077 744

**YOUR COLOURED CONCRETE SUPPLIER**

Main photo: University of Queensland, General Purposes Building. Architects Donovan Hill and Peddle Thorpe. Full depth colouring of precast panels and onsite formwork achieved with specially formulated CCS Pigments.

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